

PNEUDRAULIC SYSTEMS

(F-16)

-
- 1. Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, this Air National Guard Manpower Standard (ANGMS) quantifies the manpower required to accomplish the tasks described in the work center description for varying levels of workload.
 - 2. Authority.** Air National Guard Regulation 66-14, *Maintenance Management*, 13 July 1988, contains policy and procedural guidance for the Pneudraulic Systems work center. This ANGMS has been developed in accordance with functional review procedures contained in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, (formerly AFR 25-5).
 - 3. Applicability.** Applies to ANG F-16 Fighter Wings, Groups, and the 114th Fighter Squadron. It excludes the 162nd Fighter Group and the 184th Fighter Group. This standard applies to peacetime operations only.
 - 4. Standard Data:**
 - a. Classification. Type II.
 - b. Approval Date. 1 August 1992.
 - c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
 - d. Standard Man-hour Equation. $Y = -318.0 + 1.977X$.
 - e. Workload Factor:
 - (1) Title. A Programmed Flying Hour.
 - (2) Definition. The average monthly programmed flying hours.
 - (3) Source. USAF Program Document, Volume II, maintained by NGB/FM.
 - 5. Application Instructions:**
 - a. The valid man-hour range for this ANGMS is 271.15 through 665.89.
 - b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
 - c. Determine the whole manpower requirements for this work center and refer to the appropriate column in the standard manpower table at attachment 2 to determine the required specialties.
 - 6. Statement of Conditions:**
 - a. There were no general conditions (environmental, equipment, or facility) which had an impact on the development or application of this manpower standard.
 - b. There were no approved enhancements that impacted the man-hour equation for this work center.

DONALD W. SHEPPERD
Major General, USAF
Director, Air National Guard

OFFICIAL

DEBORAH GILMORE
Acting Chief
Administrative Services

2 Attachments
1. Work Center Description
2. Standard Manpower Table

WORK CENTER DESCRIPTION**Pneudraulic Systems****(F-16)****DIRECT:****1. ON-EQUIPMENT MAINTENANCE:**

1.1. MAINTAINS LANDING GEAR SYSTEM. Inspects, troubleshoots, repairs, adjusts, removes, replaces, modifies, and performs functional check on-equipment.

1.1.1. MAINTAINS LANDING GEAR CONTROL SYSTEM.

1.1.2. MAINTAINS MAIN LANDING GEAR.

1.1.3. MAINTAINS NOSE LANDING GEAR.

1.1.4. MAINTAINS BRAKE AND SKID CONTROL SYSTEM.

1.1.5. MAINTAINS NOSEWHEEL STEERING SYSTEM.

1.1.6. MAINTAINS ARRESTING GEAR SYSTEM.

1.2. MAINTAINS FLIGHT CONTROL SYSTEM. Inspects, troubleshoots, repairs, adjusts, removes, replaces, and performs functional check on-equipment.

1.3. MAINTAINS JET FUEL STARTER HYDRAULIC SYSTEM. Inspects, troubleshoots, repairs, adjusts, removes, replaces, and performs functional check on-equipment.

1.4. MAINTAINS HYDRAULIC AND PNEUMATIC SYSTEM. Inspects, troubleshoots, repairs, adjusts, removes, replaces, and performs functional check on-equipment.

1.5. MAINTAINS FUEL SYSTEM. Inspects, troubleshoots, repairs, adjusts, removes, replaces, and performs functional check on-equipment.

1.6. MAINTAINS GUN PURGE HYDRAULIC COMPONENT. Inspects, troubleshoots, repairs, adjusts, removes, replaces, and performs functional check on-equipment.

2. OFF-EQUIPMENT MAINTENANCE:

2.1. MAINTAINS LANDING GEAR SYSTEM. Inspects, troubleshoots, repairs, adjusts, modifies, and performs functional check off-equipment.

2.1.1. MAINTAINS LANDING GEAR CONTROL SYSTEM.

2.1.2. MAINTAINS MAIN LANDING GEAR.

2.1.3. MAINTAINS NOSE LANDING GEAR.

2.1.4. MAINTAINS BRAKE AND SKID CONTROL SYSTEM.

2.1.5. MAINTAINS NOSEWHEEL STEERING SYSTEM.

2.1.6. MAINTAINS ARRESTING GEAR SYSTEM.

2.2. MAINTAINS FLIGHT CONTROL SYSTEM. Inspects, troubleshoots, repairs, adjusts, and performs functional check off-equipment.

2.3. MAINTAINS JET FUEL STARTER HYDRAULIC SYSTEM. Inspects, troubleshoots, adjusts, repairs, and performs functional check off-equipment.

2.4. MAINTAINS HYDRAULIC AND PNEUMATIC SYSTEM. Inspects, troubleshoots, repairs, adjusts, and performs functional check off-equipment.

2.5. MAINTAINS FUEL SYSTEM. Inspects, troubleshoots, repairs, adjusts, and performs functional check off-equipment.

2.6. MAINTAINS GUN PURGE HYDRAULIC COMPONENT. Inspects, troubleshoots, repairs, adjusts, and performs functional check off-equipment.

3. NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) AND SHOP INDUSTRIAL EQUIPMENT MAINTENANCE. Inspects and maintains nonpowered AGE and shop industrial equipment.

4. PERIODIC MAINTENANCE ON EQUIPMENT IN BASE SUPPLY. Performs periodic functional check or calibration of equipment stored in base supply to maintain shelf life and ensure serviceability.

5. TECHNICAL ORDER SUBACCOUNT MAINTENANCE. Receives and posts data and change to technical order file. Maintains file for serviceability.

6. GENERAL SHOP SUPPORT. Performs shop support to include local manufacture items.

7. MAINTENANCE ASSISTANCE. Assists other maintenance function in the performance of direct labor maintenance requirement to ensure effective use of maintenance personnel.

8. TIME-COMPLIANCE TECHNICAL ORDER (TCTO) MAINTENANCE. Performs maintenance required on and off the aircraft in accordance with applicable TCTO and completes documentation.

9. COMPOSITE TOOL KIT (CTK) MAINTENANCE. Performs start and end of day inspection. Maintains CTK by inspecting for serviceability, performing corrosion control, and replacing tool.

10. UNIT TRAINING ASSEMBLY (UTA) PREPARATION. Performs planning and scheduling task associated with preparation for UTA.

INDIRECT: Indirect work involves those tasks that are not readily identifiable with the work center's product or service. The major categories of standard indirect work are Supervision, Administration, Meetings, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Pneudraulic Systems/23340D			271.15 - 665.89								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Acft Pneudraulic Sys	454X4	Civ	2	3	4	5					
TOTAL			2	3	4	5					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

AF FORM 1113, Jun 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.